

## 2GR-FE CHARGING

### SERVICE DATA

Battery	Standard specific gravity		1.25 to 1.29 at 20°C (68°F)
Charging circuit with load	Standard amperage		30 A or more
Generator brush holder assembly	Brush length	Standard length	9.5 to 11.5 mm (0.374 to 0.453 in.)
		Minimum length	4.5 mm (0.177 in.)
Generator rotor assembly	Standard resistance	Slip ring	2.3 to 2.7 Ω at 20°C (68°F)
		Slip ring - Rotor core	1 MΩ or higher
	Slip ring diameter	Standard diameter	14.2 to 14.4 mm (0.559 to 0.567 in.)
		Minimum diameter	14.0 mm (0.551 in.)

## TORQUE SPECIFICATIONS

Part Tightened	N*m	kgf*cm	ft.*lbf
Generator assembly x Cylinder block	43	438	32
Bracket x Cylinder block	20	204	15
Wire harness clamp stay x Generator assembly	8.4	85	74 in.*lbf
Generator wire x Generator assembly	9.8	100	88 in.*lbf
Generator pulley with clutch x Generator rotor assembly	110	1122	82
Bearing retainer plate x Generator drive end frame	2.3	23	20 in.*lbf
Generator brush holder assembly x Generator rectifier end frame	1.8	18	16 in.*lbf
Generator rectifier end frame x Generator drive end frame	5.8	59	51 in.*lbf
Generator rear end cover x Generator rectifier end frame	4.6	47	41 in.*lbf

SS